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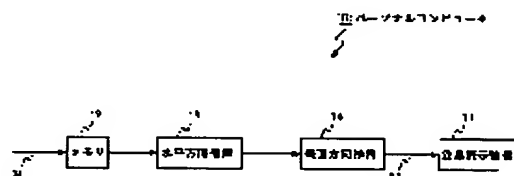
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(54) INTERPOLATION DEVICE AND METHOD THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an interpolation device with which the deterioration of a frequency characteristic is reduced by processing interpolating data of a plurality of groups, where a sampling pitch is converted by means of a different phase, converting the sampling pitch and generating output data.

SOLUTION: A memory 12 stores and holds image data D1 to be displayed, and a horizontal direction interpolating part 13 converts the number of pixels of image data held in the memory 12 in the horizontal direction and outputs them. A vertical direction interpolating part 14 converts the number of the pixels of the image data outputted from the part 13 in the vertical directions and then outputs them. In a personal computer 10, the parts 13 and 14 are constituted of a central processing unit for executing a prescribed processing procedure. The unit generates interpolation data with a basic phase and those by a half phase deviation. Thus, deterioration of the frequency characteristic is reduce, and also a distortion is prevented from occurring.



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